AMSAT News Service Weekly Bulletins
Issue: ANS-293
Date: 2019-10-20
Sources: amsat-ans-2019-ans-293-weekly-hyperkitty-99d4bf3dfa.txt

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AMSAT NEWS SERVICE
ANS-293

The AMSAT News Service bulletins are a free, weekly news and information service of AMSAT, The Radio Amateur Satellite Corporation. ANS publishes news related to Amateur Radio in Space including reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

The news feed on http://www.amsat.org publishes news of Amateur Radio in Space as soon as our volunteers can post it.

Please send any amateur satellite news or reports to:
ans-editor at amsat.org.

You can sign up for free e-mail delivery of the AMSAT News Service Bulletins via the ANS List; to join this list see:
http://www.amsat.org/mailman/listinfo/ans

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ANS-293 AMSAT News Service Weekly Bulletins

AMSAT News Service Bulletin 293.01
>From AMSAT HQ KENSINGTON, MD.
DATE 2019-Oct-19
To All RADIO AMATEURS
BID: $ANS-293.01

2019 AMSAT Symposium Underway! Livestream Available

The 37th Annual AMSAT Space Symposium and General Meeting has begun, and will continue through Sunday, October 20, 2019, at The Hilton Arlingtonin in Arlington, Virginia. Sessions are being live streamed at https://www.facebook.com/AMSATNA/

The AMSAT Board of Directors met just before the Symposium, Oct. 16-17, at the same hotel.

The Symposium, which celebrates 50 years of AMSAT, features OSCAR Park —- a display of satellites from throughout the history of amateur radio in space. Paper presentations and the AMSAT Annual General Meeting will also be featured. The schedule of presentation is available at https://www.amsat.org/symposium-schedule/

[ANS thanks Paul Stoetzer, N8HM, AMSAT Executive Vice President for

the above information]

AMSAT Board of Directors Announces 2019 Officers

These are the results of the 2019 AMSAT Board of Directors meeting vote for Officers:

* Joe Spier, K6WAO, of Reno, Nev., as President
* Paul Stoetzer, N8HM, of Washington, DC, as Executive Vice President
* Jerry Buxton, N0JY, of Granbury, Texas, as Vice-President Engineering
* Drew Glasbrenner, KO4MA, of New Port Richey, Fla., as Vice-President Operations
* Frank Bauer, KA3HDO, of Silver Spring, Md., as Vice-President Human Spaceflight
* Robert Bankston, KE4AL, of Dothan, Ala. as Vice-President User Services
* Frank Karnauskas, N1UW, of Burnsville, Minn. as Vice-President Development
* Alan Johnston, KU2Y, of Philadelphia, PA as Vice-President Educational Relations
* Brennan Price, N4QX, of Vienna, Va., as Secretary
* Robert Bankston, KE4AL, of Dothan, Ala., as Treasurer
* Martha Saragovitz of Silver Spring, Md., as Manager

The Board of Directors appointed officers for the new year at its meeting in Arlington, Va. on Wednesday, Oct. 16. Officers are selected by the Board from among the AMSAT membership, based on expertise and experience.

[ANS thanks Paul Stoetzer, N8HM, Executive Vice President for the above information]

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AMSAT-UK wishes to thank the British Amateur Television Club and Wouter Weggelaar, PA3WEG, for their work in recording, editing and uploading these videos.

[ANS thanks Trevor Essex, M5AKA, and AMSAT-UK for the above informa-
 tion]

Cubesat Simulators Launched

Dr. Alan Johnston, KU2Y, Vice President - Educational Affairs has announced the general availability of the AMSAT Cubesat Simulators. Speaking at the 37th Annual Space Symposium, Alan reports that since the prototype Cubesat Simulators were introduced at Hamvention in May, 2019, the simulators have undergone testing and final release. Among the schools testing the simulators was Bishop O'Connell High School in Arlington, Virginia. Science and Engineering teacher Melissa Pore presented to the symposium audience her experience with using a simulator in one of her engineering clubs and how her student benefitted from their use.

A Cubesat Simulator is a self-contained satellite model that reports solar cell performance via standard AFSK 1200 BPS AX.25 telemetry. The telemetry can be decoded with a simple SDR ground station. A Cubesat Simulator package consists of the 1U simulator, a halogen work light to simulate sunshine, and a motorized rotating turntable that mimics the satellite tumbling through space. The four loaner packages are packed and shipped in a hard case. The simulator is shipped prepaid while the user pays return shipping.

Persons interested in borrowing a CubeSat Simulator for a local presentation is encouraged to contact Alan at KU2Y at amsat dot org.

[ANS thanks Alan Johnston, KU2Y, AMSAT Vice President - Educational Affairs.]

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This was due to a change in the formatting program and a typing error that substituted a "N" instead of a single blank space everytime a plus sign was present. That problem has been corrected and should not be an issue in the future.

[ANS thanks Ray Hoad, WA5QGD, for the above information]

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(ANS thanks Spaceflight Now for the above information)

+ NASA Administrator Jim Bridenstine has named Douglas Loverro as the agency’s new associate administrator for the Human Exploration and Operations Mission Directorate. Loverro succeeds former astronaut Kenneth Bowersox, who has been acting associate administrator since July. Previously, Loverro spent three decades in the Department of Defense and the National Reconnaissance Office developing, managing, and establishing national policy for the full range of national security space activities.
(ANS thanks spaceref.com for the above information)

+ SpaceX is seeking approval to add up to 30,000 more satellites to its Starlink broadband network, on top of 12,000 spacecraft already authorized by U.S. government regulators, according to filings submitted to the International Telecommunication Union.
(ANS thanks Spaceflight Now for the above information)

+ Possibly related to the previous news item, LeoLabs announced that they plan to build four additional radar installations for tracking space debris. Their current installations can track objects down to about a 10 cm diameter, but with their new installations they’ll theoretically be able to track objects as small as 2 cm. In general, current radar systems tend to be limited on the lower end to objects in the 5-10 cm range. Systems like LeoLabs’ and the U.S. Air Force’s upcoming Marshall Islands-based Space Fence will improve coverage, but still won’t see the 128 million objects from 1 mm to 1 cm, which have the potential to disable or completely destroy a satellite.
(ANS thanks The Orbital Index for the above information)

+ Soviet cosmonaut Alexei Leonov, who became the first person in history to spacewalk in 1965, has died aged 85. He went on to become the commander of Soyuz-Apollo, the first ever joint US-Soviet mission in 1975. Leonov died at Moscow's Burdenko hospital on Friday, Oct. 11 after a long illness.
(ANS thanks BBC.com for the above information)

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In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

Primary and secondary school students are eligible for membership at one-half the standard yearly rate. Post-secondary school students enrolled in at least half time status shall be eligible for the student rate for a maximum of 6 post-secondary years in this status. Contact Martha at the AMSAT Office for additional student membership information.

73 and Remember to help keep amateur radio in space,
This week's ANS Editor,

K0JM at amsat dot org